

Table 8. U.S. Renewable Energy Supply and Consumption (Quadrillion Btu)

Energy Information Administration/Short-Term Energy Outlook - May 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
Supply															
Hydroelectric Power (a)	0.695	0.728	0.576	0.496	0.650	<i>0.752</i>	<i>0.603</i>	<i>0.554</i>	<i>0.665</i>	<i>0.769</i>	<i>0.613</i>	<i>0.561</i>	2.496	2.559	2.607
Geothermal	0.087	0.082	0.089	0.086	0.086	<i>0.081</i>	<i>0.089</i>	<i>0.080</i>	<i>0.081</i>	<i>0.080</i>	<i>0.089</i>	<i>0.081</i>	0.344	0.335	0.330
Solar	0.018	0.020	0.020	0.018	0.020	<i>0.021</i>	<i>0.021</i>	<i>0.020</i>	<i>0.021</i>	<i>0.023</i>	<i>0.023</i>	<i>0.021</i>	0.076	0.082	0.088
Wind	0.078	0.088	0.067	0.094	0.108	<i>0.119</i>	<i>0.091</i>	<i>0.115</i>	<i>0.139</i>	<i>0.146</i>	<i>0.111</i>	<i>0.135</i>	0.327	0.433	0.531
Wood	1.318	1.321	1.328	1.356	1.306	<i>1.278</i>	<i>1.376</i>	<i>1.371</i>	<i>1.294</i>	<i>1.299</i>	<i>1.397</i>	<i>1.383</i>	5.324	5.331	5.373
Biofuels and Biomass	0.121	0.130	0.141	0.154	0.169	<i>0.181</i>	<i>0.186</i>	<i>0.190</i>	<i>0.190</i>	<i>0.195</i>	<i>0.202</i>	<i>0.209</i>	0.546	0.726	0.796
Other Renewables	0.223	0.207	0.229	0.227	0.221	<i>0.199</i>	<i>0.243</i>	<i>0.230</i>	<i>0.221</i>	<i>0.204</i>	<i>0.249</i>	<i>0.234</i>	0.886	0.894	0.908
Total	2.616	2.594	2.555	2.422	2.573	<i>2.647</i>	<i>2.627</i>	<i>2.576</i>	<i>2.628</i>	<i>2.733</i>	<i>2.699</i>	<i>2.641</i>	10.187	10.422	10.701
Consumption															
Electric Power Sector															
Hydroelectric Power (a)	0.686	0.722	0.570	0.488	0.641	<i>0.746</i>	<i>0.599</i>	<i>0.550</i>	<i>0.656</i>	<i>0.763</i>	<i>0.608</i>	<i>0.557</i>	2.465	2.536	2.583
Geothermal	0.077	0.072	0.079	0.076	0.075	<i>0.070</i>	<i>0.078</i>	<i>0.069</i>	<i>0.069</i>	<i>0.068</i>	<i>0.077</i>	<i>0.069</i>	0.304	0.292	0.282
Solar	0.001	0.002	0.002	0.001	0.001	<i>0.002</i>	<i>0.002</i>	<i>0.001</i>	<i>0.001</i>	<i>0.002</i>	<i>0.002</i>	<i>0.001</i>	0.006	0.006	0.006
Wind	0.078	0.088	0.067	0.094	0.108	<i>0.119</i>	<i>0.091</i>	<i>0.115</i>	<i>0.139</i>	<i>0.146</i>	<i>0.111</i>	<i>0.135</i>	0.327	0.433	0.531
Wood	0.048	0.044	0.046	0.045	0.046	<i>0.041</i>	<i>0.045</i>	<i>0.044</i>	<i>0.046</i>	<i>0.042</i>	<i>0.045</i>	<i>0.045</i>	0.184	0.176	0.178
Other Renewables	0.061	0.059	0.062	0.060	0.064	<i>0.062</i>	<i>0.065</i>	<i>0.062</i>	<i>0.066</i>	<i>0.065</i>	<i>0.068</i>	<i>0.065</i>	0.243	0.254	0.264
Subtotal	0.948	0.983	0.827	0.763	0.936	<i>1.039</i>	<i>0.880</i>	<i>0.841</i>	<i>0.978</i>	<i>1.086</i>	<i>0.911</i>	<i>0.870</i>	3.522	3.696	3.846
Industrial Sector															
Hydroelectric Power (a)	0.009	0.006	0.006	0.009	0.008	<i>0.006</i>	<i>0.005</i>	<i>0.004</i>	<i>0.008</i>	<i>0.006</i>	<i>0.005</i>	<i>0.004</i>	0.030	0.023	0.023
Geothermal	0.001	0.001	0.001	0.001	0.001	<i>0.001</i>	0.005	0.005	0.005						
Wood and Wood Waste	1.136	1.144	1.149	1.173	1.130	<i>1.107</i>	<i>1.200</i>	<i>1.188</i>	<i>1.120</i>	<i>1.129</i>	<i>1.221</i>	<i>1.200</i>	4.602	4.625	4.669
Other Renewables	0.149	0.136	0.154	0.154	0.145	<i>0.125</i>	<i>0.164</i>	<i>0.156</i>	<i>0.143</i>	<i>0.128</i>	<i>0.167</i>	<i>0.157</i>	0.592	0.590	0.596
Subtotal	1.462	1.400	1.506	1.429	1.408	<i>1.362</i>	<i>1.492</i>	<i>1.472</i>	<i>1.427</i>	<i>1.418</i>	<i>1.549</i>	<i>1.517</i>	5.797	5.734	5.910
Commercial Sector															
Hydroelectric Power (a)	0.000	0.000	0.000	0.000	0.000	<i>0.000</i>	0.001	0.001	0.001						
Geothermal	0.004	0.004	0.004	0.004	0.004	<i>0.004</i>	0.014	0.015	0.015						
Wood and Wood Waste	0.033	0.033	0.032	0.037	0.029	<i>0.029</i>	<i>0.031</i>	<i>0.038</i>	<i>0.027</i>	<i>0.028</i>	<i>0.030</i>	<i>0.038</i>	0.135	0.127	0.124
Other Renewables	0.013	0.012	0.013	0.013	0.012	<i>0.011</i>	<i>0.014</i>	<i>0.013</i>	<i>0.012</i>	<i>0.011</i>	<i>0.013</i>	<i>0.012</i>	0.051	0.049	0.049
Subtotal	0.046	0.044	0.045	0.043	0.045	<i>0.045</i>	<i>0.048</i>	<i>0.055</i>	<i>0.044</i>	<i>0.044</i>	<i>0.048</i>	<i>0.055</i>	0.179	0.194	0.191
Residential Sector															
Geothermal	0.005	0.005	0.005	0.005	0.006	<i>0.006</i>	<i>0.006</i>	<i>0.006</i>	<i>0.007</i>	<i>0.007</i>	<i>0.007</i>	<i>0.007</i>	0.021	0.024	0.028
Wood	0.101	0.101	0.101	0.101	0.101	<i>0.101</i>	<i>0.101</i>	<i>0.101</i>	<i>0.100</i>	<i>0.100</i>	<i>0.100</i>	<i>0.100</i>	0.403	0.403	0.401
Solar	0.018	0.018	0.018	0.018	0.019	<i>0.019</i>	<i>0.019</i>	<i>0.019</i>	<i>0.020</i>	<i>0.020</i>	<i>0.020</i>	<i>0.020</i>	0.070	0.076	0.082
Subtotal	0.123	0.123	0.123	0.123	0.126	<i>0.126</i>	<i>0.126</i>	<i>0.126</i>	<i>0.128</i>	<i>0.128</i>	<i>0.128</i>	<i>0.128</i>	0.494	0.503	0.511
Transportation Sector															
Biofuels (b)	0.148	0.152	0.161	0.179	0.185	<i>0.206</i>	<i>0.211</i>	<i>0.219</i>	<i>0.217</i>	<i>0.224</i>	<i>0.230</i>	<i>0.240</i>	0.640	0.822	0.911
Total Consumption	2.721	2.700	2.662	2.531	2.700	<i>2.778</i>	<i>2.758</i>	<i>2.712</i>	<i>2.793</i>	<i>2.900</i>	<i>2.866</i>	<i>2.810</i>	10.615	10.949	11.370

- = no data available

(a) Conventional hydroelectric power only. Hydroelectricity generated by pumped storage is not included in renewable energy.

(b) Fuel ethanol supply includes production but excludes imports, exports, and stock change. Fuel ethanol consumption in transportation sector represents total fuel ethanol blended into motor gasoline.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Historical data: Latest data available from EIA databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226 and *Renewable Energy Annual*, DOE/EIA-0603; *Petroleum Supply Monthly*, DOE/EIA-0109.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.